## Form PTO-1449 (Modified)

FORM 210-1449 (Dodified)

U.S. DEPARTMENT OF COMMERCE

PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Use several sheets if necessary)

ATTY, DOCKET NO. P00593

GROUP 1654 PA 16 000

APPLICANT: DeVore et al.

**FILING DATE 10/09/01** 

### **U.S. PATENT DOCUMENTS**

XAMINER INITIAL	R PATENT NUMBER					R		ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
##-	6	1	8	3	4	9	8		Devore et al.			
17	5	8	7	4	5	3	7		Kelman et al.			
	5	3	5	4	3	3	6		Kelman et al.			
	5	2	9	0	5	5	2		Sierra et al.			
	6	1	3	6	3	4	1		Petito			
	5	8	2	4	0	1	5		Sawyer			
	5	6	1	8	5	5	1		Tardy et al.			
	5	5	5	2	4	5	2		Khadem et al.			
11/2	5	1	5	6	6	1	3		Sawyer			
	6	3	3	5	0	0	7		Shimizu et al.			

### FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DO	CUM	ENT	NUMI	BER		PUBL.	COUNTRY OR	CLAS	SUBCLASS	TRAN	SLATION
							DATE	PATENT OFFICE		,	YES	NO
						Γ						

OTH	EK DO	COMENTS (including Author, Title, Date", Relevant Pages, Place of Publication
##		Guidoin, R, Marceau, D, Coutre, J, Rao, TJ, Merhi, Y, Roy, PE, and De la Fay, D, Collagen coatings as biological sealants for textile arterial prostheses, Biomaterials, 10:642, 1989
		Jakob, H, Campbell, CD, Stemberger, A, Wriedt-Lubbe, I, Blumel, G, and Replogle, RL, Combined application of heterologous collagen and fibrin sealant for liver injuries, J. Surg. Res, 36: 571-577, 1984
	,	Pfab, R, Asherl, R, Erhardt, W, Geissdorfer, K, Stemberger, A, Blumel, G, and Hartung, Animal experiments on hemostasis with a collagen-fibrin tissue-adhesive sealant in the nephrostomy tract, Urol. Int., 42: 207-209, 1987
	1	Jonas, RA, Ziemer, G, Shoen, FJ, Britton, L, and Castaneda, AR, A new sealant for knitted Dacron prostheses: minimally crosslinked gelatin, J. Vasc. Surg., 7:414-419, 1988
	·	San-Galli, F, Darrouzet, V, Riverl, J. Baquey, C, Ducassou, D, and Guerin, J, Experimental evaluation of a collagen-coated vicryl mesh as a dural substitute, Neurosurgery, 30: 396-401, 1992
	,	Goins, KM, Khadem, J, Majmudar, PA, and Ernest, JT, Photodynamic biologic tissue glue to enhance corneal wound healing after radial keratotomy, J. Cataract Refract. Surg., 23: 1331-1338, 1997
#	1	Nakayama, Y and Matsuda, T, Photocurable surgical tissue adhesive glues composed of photoreactive gelatin and poly(ethylene glycol) diacrylate, J. Biomed. Mater. Res., 48:511-521, 1999.
EXAMINER		DATE CONSIDERED

EXAMINER: Initial citation considered. Draw lin through citation if not in conformance and not c insidered. Include copy f this f rm with next communicati n to applicant.

Page 1 of 3

# Form PTO-1449 (Modified)

FORM FET 2-1449 (Modified)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. P00593

SERIAL NO.

09/973,263

INFORMATION DISCLOSURE

APPLICANT: DeVore et al.

STATEMENT BY APPLICANT

FILING DATE 10/09/01

**GROUP 1654** 

Use several sheets if necessary)

#### **U.S. PATENT DOCUMENTS**

EXAMINER INMIAL			ATEN	IT NL	JMBE	ER .		ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
38	6	4	7	1	9	9	3		Shastri et al.				
7	5	4	1	2	0	7	6		Gagnieu		77	ECE	
4	5	6	9	0	6	7	5		Sawyer et al.				
	6	5	4	7	7	9	4		Auge, II		44	•	
	5	7	4	9	8	9	5		Sawyer et al.		<i>AU</i>		
1.	5	8	9	5	4	1	2		Tucker		TECHO	- 1 2003	
	5	7	9	1	3	5	2	· -	Reich et al.		TECH CEN	TED	
70									RI ISHED FOREIGN PATEN	T 4001104T		TER 1600/290	

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOG	CUMI	ENTI	NUM	BEA		PUBL.	COUNTRY OR PATENT OFFICE	CLAS S	SUBCLASS	TRANSLATION YES NO		
						_			-				

OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant Pages, Place of Publication\*\*\*)

4	•	Feito, BA, Rath, AM, Longchampt, E, Azorin, J, Experimental study on the in vivo behavior of a new collagen glue in lung surgery, Eur. J. Cardiothorac. Surg., 17:8-13, 2000
		Czerny, M, Verrel, F, Weber, H, Muller, N, Kircheis, L, Lang, W, Steckmeier, B, and Trubel, W, Collagen patch coated with fibrin glue components. Treatment of suture hole bleedings in vascular reconstruction, J. Cardiovasc. Surg., 41:553-557, 2000
	·	Sekine, T, Nkamura, T, Shimizu, Y, Ueda, H, Matsumoto, Y, Takimoto, Y, and Kiyotani, T, A new type of surgical adhesive made from porcine collagen and polyglutamic acid, J. Biomed. Mater. Res., 54:305-310, 2001
		Baar, S, Schorner, C, Rollinghoff, M, Radespiel-Troger, M, Hummer, HP and Carbon, RT, Collagen patches impregnated with antimicrobial agents have a high local antimicrobial efficacy and achieve tissue gluing, Infection, 29:27-31, 2001
		Oiwa, H, Takamoto, S, Murakami, A, Tanaka, O, and Furuse, A, Experimental study of small arterial anastomosis with gelatin-recordinol-formaldehyde glue and collagen sheet, Artif. Organs 25:281-291, 2001
		Okino, H, Nakayama, Y, Tanaka, M, and Matsuda, T, In situ hydrogelation of photocurable gelatin and drug release, J. Biomed. Mater. Res., 59:233-245, 2002
		Wise, PE, Wudel, LJ, Jr, Belous, AE, Allos, TM, Kuhn, SJ, Fuerer, ID, Washington, MK, Pinson, CW, and Chapman, WC, Biliary reconstruction is enhanced with a collagen-polyethylene glycol sealant, Am. Surg., 68:561-562, 2002
#	- 1.	Martis, G, Miko, I, Szendroi, T, Kathy, S, Kovacs, J, Hajdu, Z, Results with collagen fleece coated with fibrin glue (TachoComb). A macroscopical and histological experimental study, Acta Chir. Hung., 36:221-222, 1997
EXAMINER	//	DATE CONSIDERED / /

EXAMINER: Initial citati in considered. Draw lin through citati in if n it in c informanc and n it considered. Include copy of this f rm with n xt communicati n t applicant.

Form PTO-1449 (Modified)

FORM PT	_		_						OMMER(	CE	ATTY. DOCI P00593	KET NO.	SERIAL 09/973,		
		A.	NE	ORM	ΔΤΙ	אר ני	ISCI	OSUE	F		APPLICANT	: DeVore e	t al.		
AUG O	7 704	•	1					LICAN			FILING DAT	E 10/09/01	GROUP	1654	
RAD	EMP	<u> </u>							U.S. PA	TENT DOC	UMENTS				RECA
EXAMINER INUTAL		P	ATE	NT NI	имві	ER			SUE ATE	P	ATENTEE	CLAS	S SUBCLAS	FIL S IF A	ING DATE
**	5	7	6	7	1	5	2			Nielsen et				Shy	11
	6	5	4	7	8	0	6			Ding				- 477 CA	NIER 160
					-										
					<del>                                     </del>	F									
					ļ							-			
		<u> </u>	<del>                                     </del>	-		-		<del></del> ,,					<del></del>		
_							PATE UMBE		PUBL.	T	REIGN PATEN	CLAS	SUBCLASS	TRAN	SLATION
	_	$\dashv$	<del></del>			<del></del>		<del></del>	DATE	PAT	ENT OFFICE			YES	NO
		$\dashv$		-+		╌┼	+		<del>                                     </del>					<del></del>	<del> </del>
	отн	ER		Caro of v	oli et ariou	al., is fra	"An	experi	mental st	udy of a cyan " Ann. Chir. I	", Relevant Pa oacrylate biolog Main Memb. Su "The American	ical adhesive per. 1997, 16	in view of it (2) pp. 138-4	s use in t 5 (Abstra	act)
T		7				<del>/-</del>									
EXAMINER		1	//			7				DATE	CONSIDERED				
_	• •	Z		W	1L	1	u					19/30/		<del></del>	
EXAMINER this form w	: Ind ith n	naic exto	itati comi	on ò mun	onsi icati	dere n to	d. D	raw lir licant.	ne throug	gn citation if	not in conforma	ance and no	ot considered	i. includ	ec py of